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Patent Docket No. 80398.P386

*Patent*  
**AMENDMENT UNDER 37 C.F.R. § 1.116  
EXPEDITED PROCEDURE  
EXAMINING GROUP 2613**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

James J. Carrig

Serial No. 09/724,740

Filed: November 28, 2000

For: ROBUST TIME DOMAIN  
BLOCK DECODING

) Examiner: An, Shawn S.

) Art Unit: 2613

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**AMENDMENT AFTER FINAL UNDER 37 C.F.R. § 1.116**

In response to the final Office Action mailed June 9, 2003, Applicant respectfully requests reconsideration of this application.

**Common Ownership**

The present application and U.S. Patent No. 6,078,616 to Ozcelik et al. were both owned by, or under an obligation of assignment to, Sony Corporation at the time the invention of the present application was made.

**Objections**

**Objections to the Drawings under 37 C.F.R. § 1.83(a)**

The Examiner objected to the drawings, stating that the drawings must show every feature of the invention specified in the claims. Applicant respectfully reminds the

Examiner that drawings are required to illustrate the essential factors of the invention as claimed and do not have to contain each and every claim limitation (*Harrington Mfg. Co. v White*, 475 F.2d 788, 177 USPQ 289 (5<sup>th</sup> Cir. 1973), citing *Ex parte Taylor*, 66 USPQ 366, 367 (Bd. App. 1944)).

Applicant's invention uses correctly decoded pixels in encoded image data to predict the correct decoding of pixels corresponding to lost or damaged transform coefficients. Applicant respectfully submits that Figure 3 illustrates the essential elements of the invention claimed in the independent claims and that the further claim limitations are described in the specification. A block of transform coefficients for encoded image data is received at block 305 and decoded into pixels at block 310. When some of the transform coefficients are erroneous, the decoding of image data at block 310 results in only a portion of the pixels being decoded correctly (lines 1-7, page 12). Applicant refers to the correctly decoded pixels as partial decoding  $\hat{x}$  (line 10, page 8 through line 6, page 9). After the lost or damaged transform coefficients are identified at block 315, estimated values for the corresponding pixels are selected at block 320. Estimated transform coefficients values derived from the estimated pixel values are used to decode the corresponding pixels at block 325 (lines 8-14, page 12). Applicant refers to the decoding using the estimated values as estimated or predicted decoding  $E(x)$  (line 10, page 8 through line 2, page 11). At block 330, the partial decoding  $\hat{x}$  and the predicted decoding  $E(x)$  are used to update the estimated values for the lost or damaged transform coefficients (lines 15-19, page 12; *see* equation 19).

Although Figure 3 is a flowchart of a method, it is also sufficient to illustrate the apparatus and computer-readable medium claims since it is well known that computer-implemented methods may be embodied in various structures and media. Therefore, the drawings as filed do illustrate the invention claimed in claims 1-15 and Applicant respectfully requests the withdrawal of the 37 C.F.R. 1.83(a) objection to the drawings.